

WHAT IS CLAIMED IS:

1. An imaging apparatus with a communication function, comprising:  
    communicating means;  
    address book storing means for storing contact data used in communication by the communicating means;  
    means for instructing a mode used to create contact data to be stored in the address book storing means or edit contact data stored in the address book  
10    storing means;  
    imaging means which is activated by detecting an instruction issued by the instructing means; and  
    image storing means for storing image data picked up by the imaging means in association with contact  
15    data as a creation or edition target.

2. The imaging apparatus according to claim 1, further comprising:

    displaying means; and  
    resolution setting means for setting a resolution  
20    of the displaying means with respect to a case that an image based on image data picked up by the imaging means is displayed and a case that an image based on the picked-up image is displayed in association with the contact data.

25    3. The imaging apparatus according to claim 2, wherein

    the imaging means comprises continuous pickup

means,

the image storing means stores a plurality of frames of image data picked up by the continuous pickup means in association with the contact data, and

5       the imaging apparatus further comprises:

means for selecting image data which is displayed by the displaying means in association with the contact data from the plurality of frames of image data stored in the image storing means.

10      4. The imaging apparatus according to claim 1, further comprising image recognizing means for recognizing a person portion from the image data picked up by the imaging means, and

15      wherein the image storing means stores the person portion recognized by the image recognizing means in association with the contact data.

20      5.. The imaging apparatus according to claim 4, further comprising image processing means for processing a background portion other than the person portion recognized by the image recognizing means, and

wherein the image storing means stores the image data having the person portion processed by the image processing means in association with the contact data.

25      6. The imaging apparatus according to claim 1, further comprising incoming call notifying means; and notification setting means for setting a notification method of the incoming call notifying means in

association with image data stored in association with contact data by the image storing means.

7. The imaging apparatus according to claim 1,  
further comprising setting information storing means  
5 for storing a plurality of items of pickup setting  
information obtained by the imaging means; and  
setting means for validating only specific setting  
information among the plurality of items of setting  
information stored in the setting information storing  
10 means when the imaging means is activated by the  
instructing means.

8. The imaging apparatus according to claim 7,  
wherein the setting information includes pickup sizes  
with which image pickup is performed by the imaging  
15 means.

9. The imaging apparatus according to claim 1,  
further comprising pickup size selecting means for  
selecting sizes with which image pickup can be  
performed by the pick up means,  
20 wherein the image storing means stores a reduced  
image of a picked-up image in association with contact  
data of an edition target when the imaging means is  
activated by the instructing means and a pickup size  
equal to or above a predetermined size is selected by  
25 the pickup size selecting means.

10. The imaging apparatus according to claim 9,  
further comprising means for copying the reduced image,

wherein the image storing means stores the reduced image copied by the copying means in association with contact data of an edition target.

11. An image data storing method for an electronic  
5 device including a communication unit and an imaging  
unit, the method comprising:

a step of instructing a mode used to create contact data which is utilized for communication or edit contact data stored in address book storing means;

10 an imaging step of activating the imaging unit by detecting an instruction issued at the instructing step; and

15 a storing step of storing image data picked up at the imaging step in association with the created or edited contact data.

12. The method according to claim 11, further comprising a resolution setting step of setting a resolution of a display panel with respect to a case that an image based on image data picked up at the imaging step is displayed and a case that an image based on image data picked up in association with the contact data is displayed.

13. The method according to claim 12, wherein the imaging step further includes a step of performing continuous image pickup,

the storing step further includes:

a step of storing in a memory a plurality of

frames of image data picked up by the continuous image pickup performing step in association with the contact data; and

5           a step of selecting image data to be displayed in association with the contact data from the plurality of frames of image data.

14. The method according to claim 11, further comprising a step of recognizing a person portion of an image based on image data picked up at the imaging 10 step,

wherein the storing step stores in a memory the person portion recognized at the recognizing step in association with the contact data.

15          15. The method according to claim 11, further comprising a step of setting a notification method based on an incoming call notifying step in association with image data stored in the memory in association with the contact data.

16. The method according to claim 11, wherein the 20 electronic device includes a setting information memory which stores a plurality of items of pickup setting information used to perform image pickup in the imaging unit, and the method further comprising a setting step of validating only specific information among a plurality of items of setting information stored in the setting information memory when the imaging unit is activated at the instructing step.

17. The method according to claim 16, wherein the setting information include imaging sizes with which image pickup is performed by the imaging unit.

18. The method according to claim 11, further comprising a pickup size selecting step of selecting sizes with which image pickup can be performed in the imaging unit,

wherein the storing step stores in a memory a reduced image of a picked-up image in association 10 with contact data of an edition target when the imaging unit is activated at the instructing step and a pickup size which is equal to or above a predetermined size is selected at the pickup size selecting step.

19. A computer program which causes a computer including a communication unit, an imaging unit and a display panel to execute:

an instructing step to instruct a mode to create contact data used for communication or edit contact data stored in address book storing means;

20 an imaging step to activate the imaging unit by detecting an instruction issued at the instructing step;

a storing step to store in a memory image data picked up at the imaging step in association with the created or edited contact data; and

a resolution setting step to set a resolution of a display panel with respect to a case that an image

based on image data picked up at the imaging step is displayed and a case that an image based on the picked-up image data is displayed in association with the contact data.